



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



October 7, 2002  
**Letter of Deficiency**  
DAM #137.12

Mr. Ralph Lewis  
Loon Mountain Recreation Corporation  
RR1, Box 41  
Kancamagus Highway  
Lincoln, NH 03251

RE: Loon Snowmaking Pond Dam, Lincoln

Dear Mr. Lewis:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on August 23, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

There was brush along the downstream face of the dam; and

- 2 There is no operation and maintenance plan on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**December 31, 2002:**

1. Prepare and submit to the DES a written O&M plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines; and

Remove the brush along the downstream face of the dam

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

As a result of our inspection and file review DES has determined that the hazard classification for this dam will be reclassified from a non-hazardous "AA" dam to a minimum-hazard "A" dam. A failure of the Loon Mountain Snowmaking Pond dam may cause some minor overtopping of the access road and downstream parking garage. Flood flows would eventually enter Boyle Brook on its way into the East Branch of the Pemigewasset River. Flooding would be of short duration due to the small volume of water stored behind the dam. There may be minimal economic loss to Loon Mountain property in the event of a

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dam breach. It is recommended that the hazard classification of this dam be upgraded to a low hazard, Class A dam, due to the predicted flooding and possible property damage downstream in the event a dam breach.

Due to the change in hazard status of your dam, you will be responsible for payment of an annual dam registration fee of \$100. The inspections will remain on a 6 year rotation.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

  
**COPY**  
Grace E. Levergood, P.E.  
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Lincoln

Certified # 7000 1670 0000 0586 0899

GEL/was/h:/safety/wendy/lod/137-12lod.doc